

FATC

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DIAGNOSIS

1. SELF DIAGNOSIS..... 3



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DIAGNOSIS

1. SELF DIAGNOSIS

1) Starting Self Diagnosis

Turn the ignition switch to ON position and press OFF switch for more than 5 seconds within 10 seconds.

Check LED segments on the vacuum fluorescent display (VFD).



Press OFF switch more than 5 seconds.

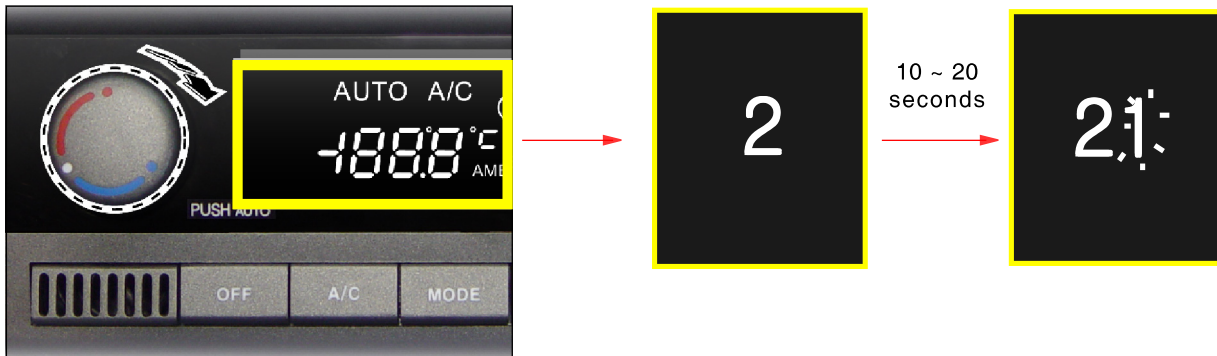
- ECU-GASOLIN
- ECU-DIESEL
- BRAKE
- AIR-BAG
- CCCS
- FATC
- FFH
- P/TRUNK
- RAIN-SENSOR
- STICS
- TC
- TCU
- TGS-LEVER

Modification basis	
Application basis	
Affected VIN	

2) Set in Trouble Diagnosis Step 2

In this step, check the air mix door and sensors for defect.

Once the system starts diagnosis step 2, the digit "2" is displayed, implying step 2, on the display window and the trouble diagnosis for sensors is executed. If no failure exists, "20" is displayed. If any failure exists, the appropriate trouble code is displayed as below.

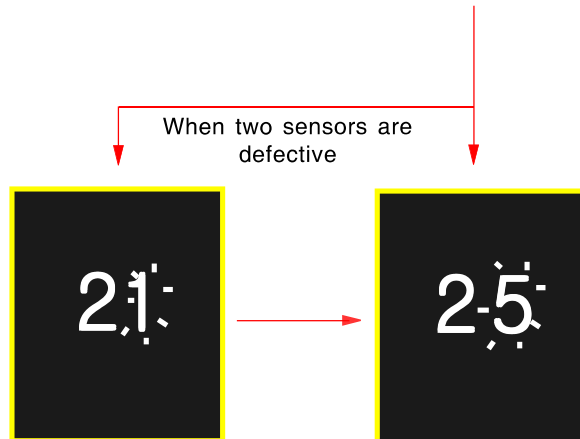


CAUTION

- The symbol "-" in front of step number "2" means a short circuit of the blinking sensor.

-2.1

Short-circuit in the ambient air temperature sensor



Trouble Code

Code	Malfunction	Remark	Code	Malfunction	Remark
0	VDF segments are OK		5	Defective sun sensor	
1	Defective ambient temperature sensor		6	Check Air mix door	
2	Defective interior temperature sensor		7	Defective humidity sensor	
3	Defective duct temperature sensor		8	-	
4	Defective intake sensor		9	-	

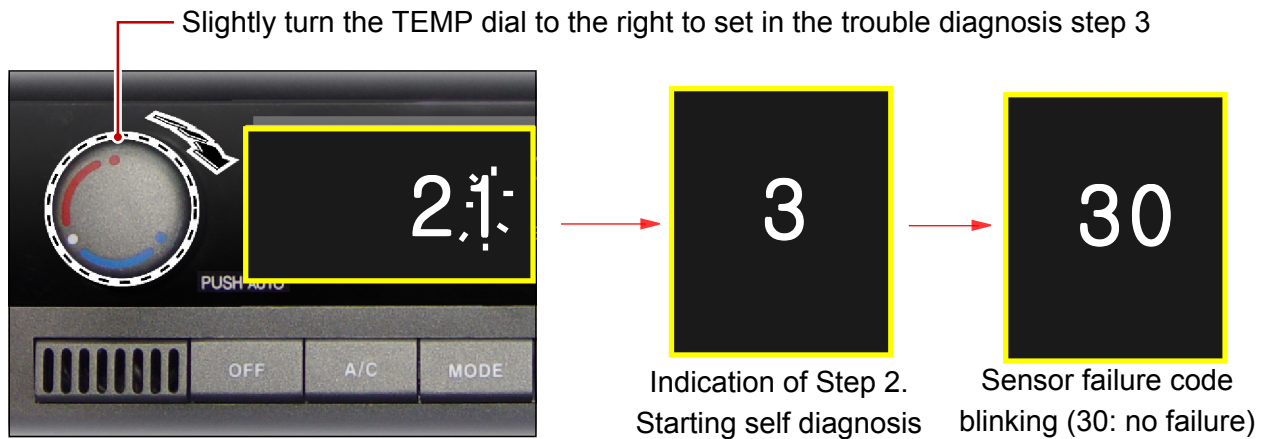
Modification basis	
Application basis	
Affected VIN	

3) Set in Trouble Diagnosis Step 3

In this step, check the position and conditions of recirculation air door and mode door.

Slightly turn the TEMP switch until "3" is displayed on the display window.

If no failure exists, "30" is displayed. If any failure exists, the appropriate trouble code is displayed.



Trouble Code

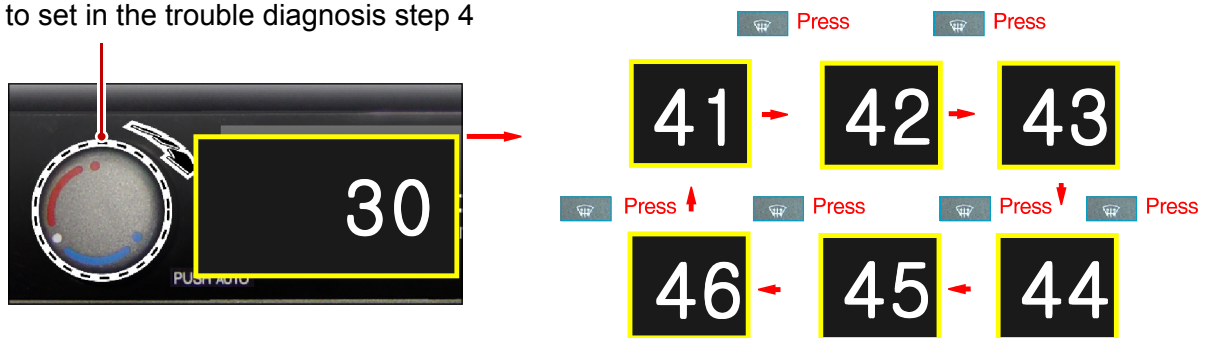
Code	Malfunction	Remark	Code	Malfunction	Remark
1	Defective VENT		6	DEF	
2	Defective B/L		7	FRE	
3	-		8	20% FRE	
4	FOOT		9	REC	
5	D/F		0	All door OK	

4) Set in Trouble Diagnosis Step 4

In this step, check the position of actuator door, check the fan speed, and check the compressor operation.

Slightly turn the TEMP switch in step 3 until "41" is displayed on the display window. When pressing DEF switch, mode changes as shown below in turns to check each function.

Slightly turn the TEMP dial to the right to set in the trouble diagnosis step 4




Modification basis	
Application basis	
Affected VIN	

Function Check

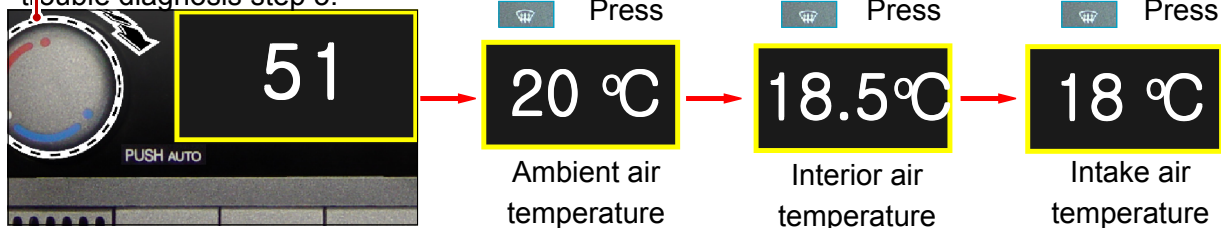
Displayed Number	41	42	43	44	45	46
Mode door	VENT	B/L	B/L	FOOT	D/F	DEF
Interior/Ambient door	REC	REC	20%FRE	FRE	FRE	FRE
Air mix door	F/COOL	F/COOL	F/HOT	F/HOT	F/HOT	F/HOT
Blower	4.5 V	10.5 V	8.5 V	8.5 V	8.5 V	MAX
Compressor	ON	ON	OFF	OFF	ON	ON

5) Set in Trouble Diagnosis Step 5

In this step, check the conditions of temperature related sensors. Slightly turn the TEMP switch in step 4 until "51" is displayed on the display window. When pressing DEF switch,  displayed temperature changes as shown below in turns.

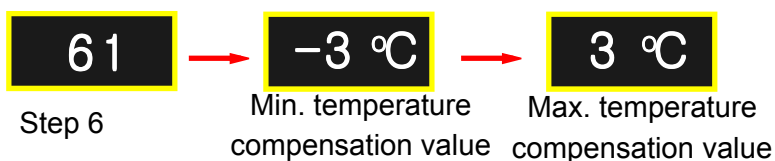
Slightly turn to right to set in

trouble diagnosis step 5.



6) Set in Trouble Diagnosis Step 6

In this step, the temperature can be compensated within the range of -3°C to 3°C in the control process according to the temperature to air conditioner controller. The step 6 initiates when slightly rotating the fan speed switch (other than TEMP switch) in step 5.



Modification basis	
Application basis	
Affected VIN	